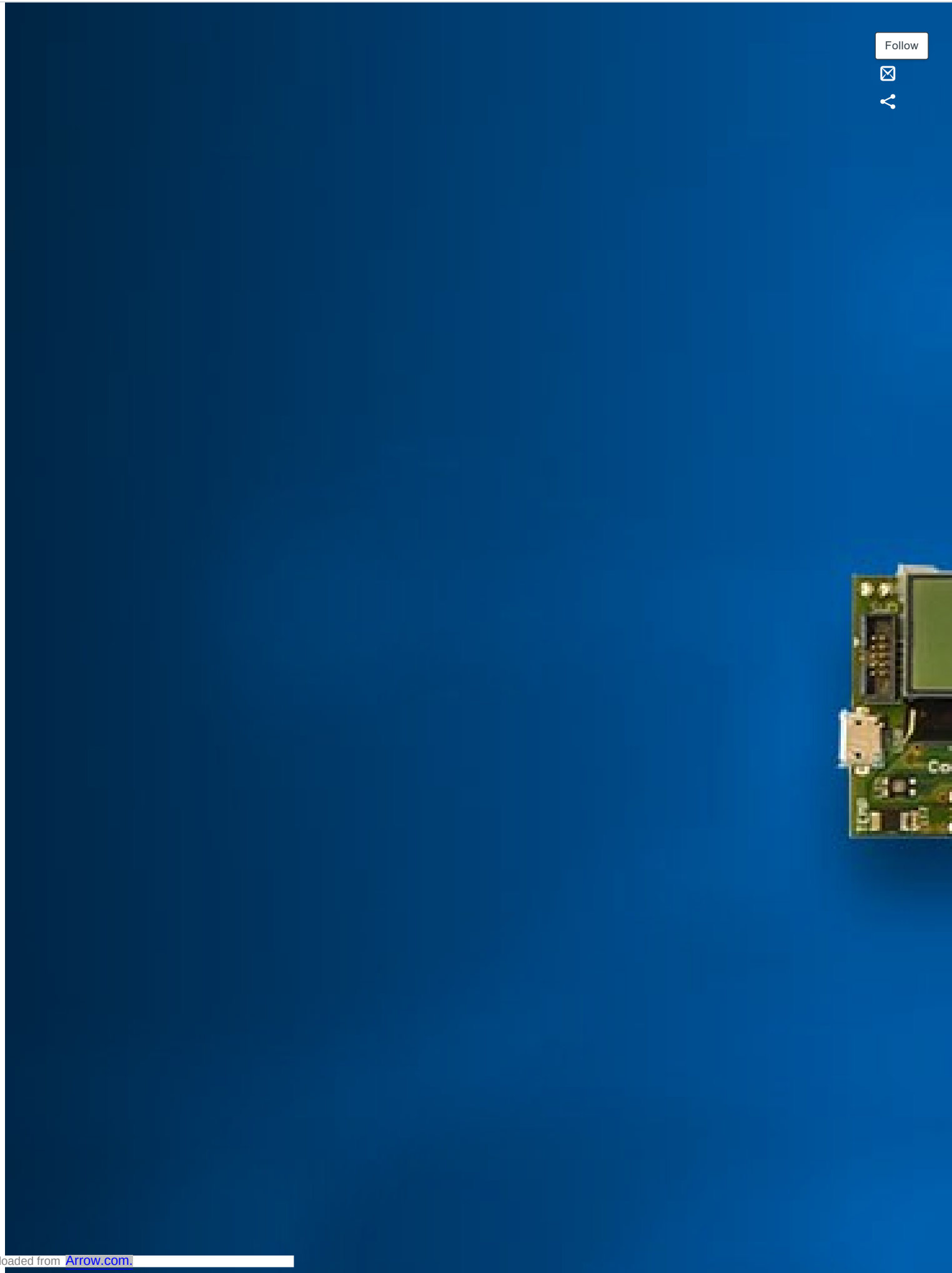
Follow



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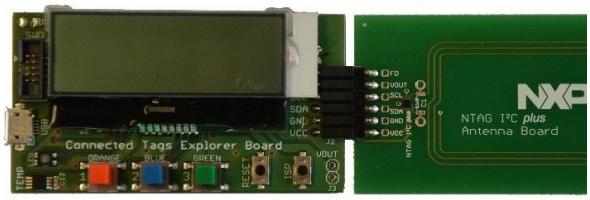
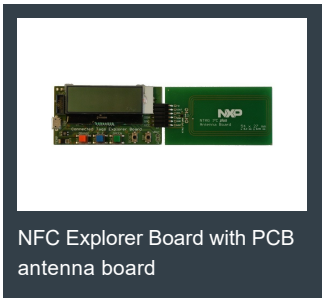
Overview

NXP's NTAG I²C *plus* Explorer Kit is an all-in-one demonstration and development resource for NFC connected tags. Designed to emulate using an NTAG I²C *plus* tag chip in an embedded electronic system, the kit centers around a multi-purpose microprocessor-based development/demo board, and includes a full complement of hardware and software tools to support investigation of the NTAG I²C chip operation, the NFC RF communication link, and the I²C serial bus connected link; perform a variety of demonstrations; and develop/test your applications.



Target Applications

Industrial Control



NFC Explorer Board with PCB antenna board

NTAG I2C Plus Explorer Board

Specifications

Technical and Functional Specifications

NFC Explorer Board with PCB antenna board	• FCC and CE certified • Dual purpose demonstration and development hardware board based on the NXP LPC 11U24 microcontroller • Onboard LCD display • NXP LM75B temperature sensor

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	• Voltage monitors • I²C serial bus connector • JTAG debug connector • Demonstrate bidirectional I²C serial bus/NFC communication • Illustrate NDEF messaging • Monitor energy harvesting capability • Provides a localized application development environment
Additional components	• NTAG I²C plus tag chips mounted on a Class 6 Flex-board with built-in I²C serial bus interface connectors for easier product insertion and testing • 10 NTAG I²C plus packed SO8 samples may be used for first prototypes • Field Detector Board with visual (LED) output to facilitate the location of the optimum RF field, or to ensure that NFC has been enabled
Applications	• NTAG I²C plus Demo Application: Android™ NTAG I²C plus NFC read/write demonstration application software for NFC-enabled mobile phones available from Google Play Store • Peek and Poke Application: A PC-based NTAG I²C plus device register and memory exploration software tool with a graphical user interface

Supported Devices

RFID	
NFC Tags for Electronics	• NTAG_I2C : NTAG I²C *plus*: NFC Forum Type 2 Tag with I²C interface • NTAG213F_216F : NTAG213F, NTAG216F: NFC Forum Type 2 Tag compliant IC with 144/888 bytes user memory and field detection

Documents and Software

DOCUMENTS (6)

- Application Note (1)
- Engineering Bulletin (1)
- Users Guide (4)

DESIGN RESOURCES (4)

- Design Tools & Files (4)

SOFTWARE (6)

- Embedded Software (5)
- Embedded Application Software (1)

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